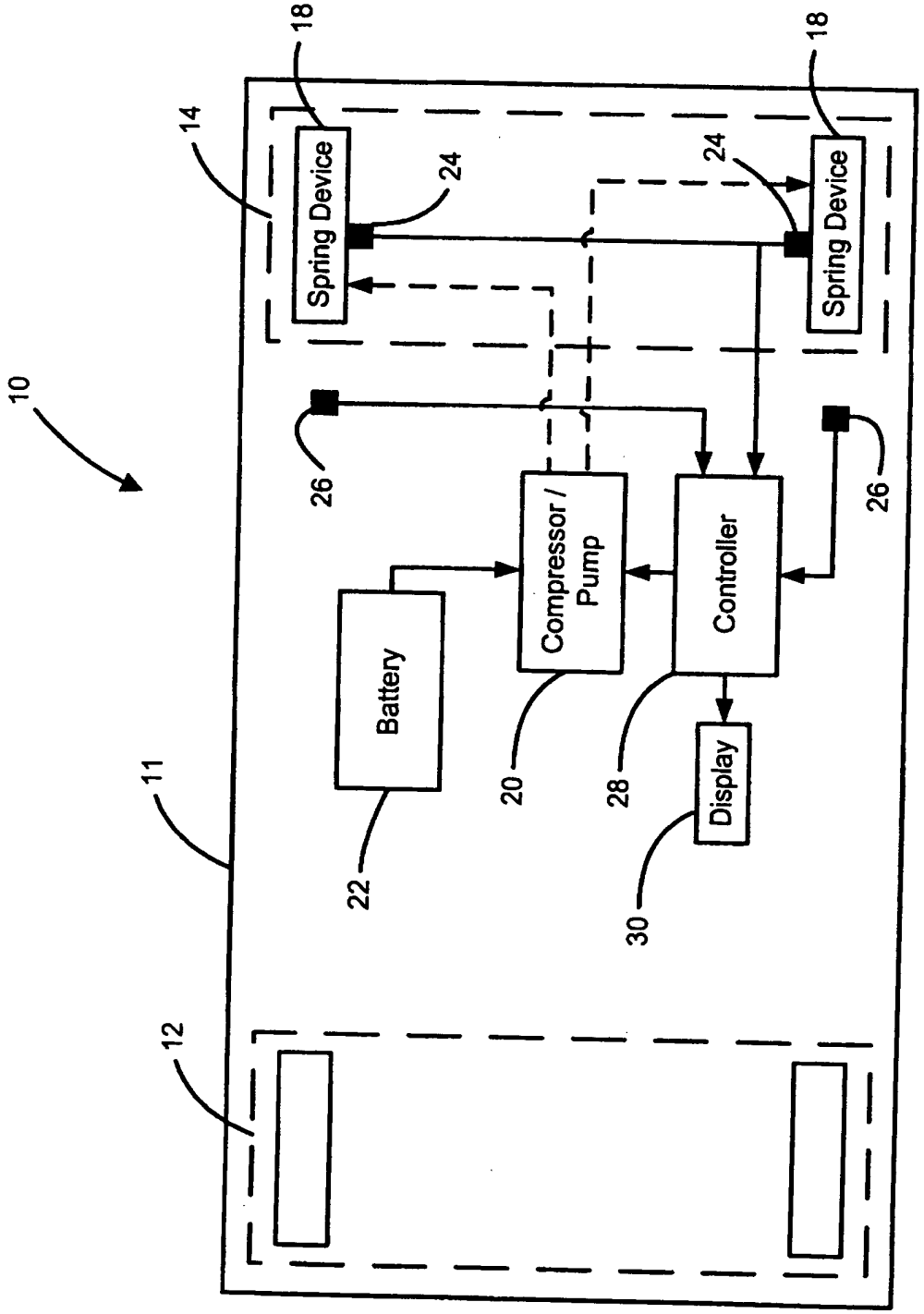
10
11
12
14
18
18
Spring Device
Spring Device
24
24
26
26
Compressor / Pump
Controller
Battery
Display
20
22
28
30

Figure 1

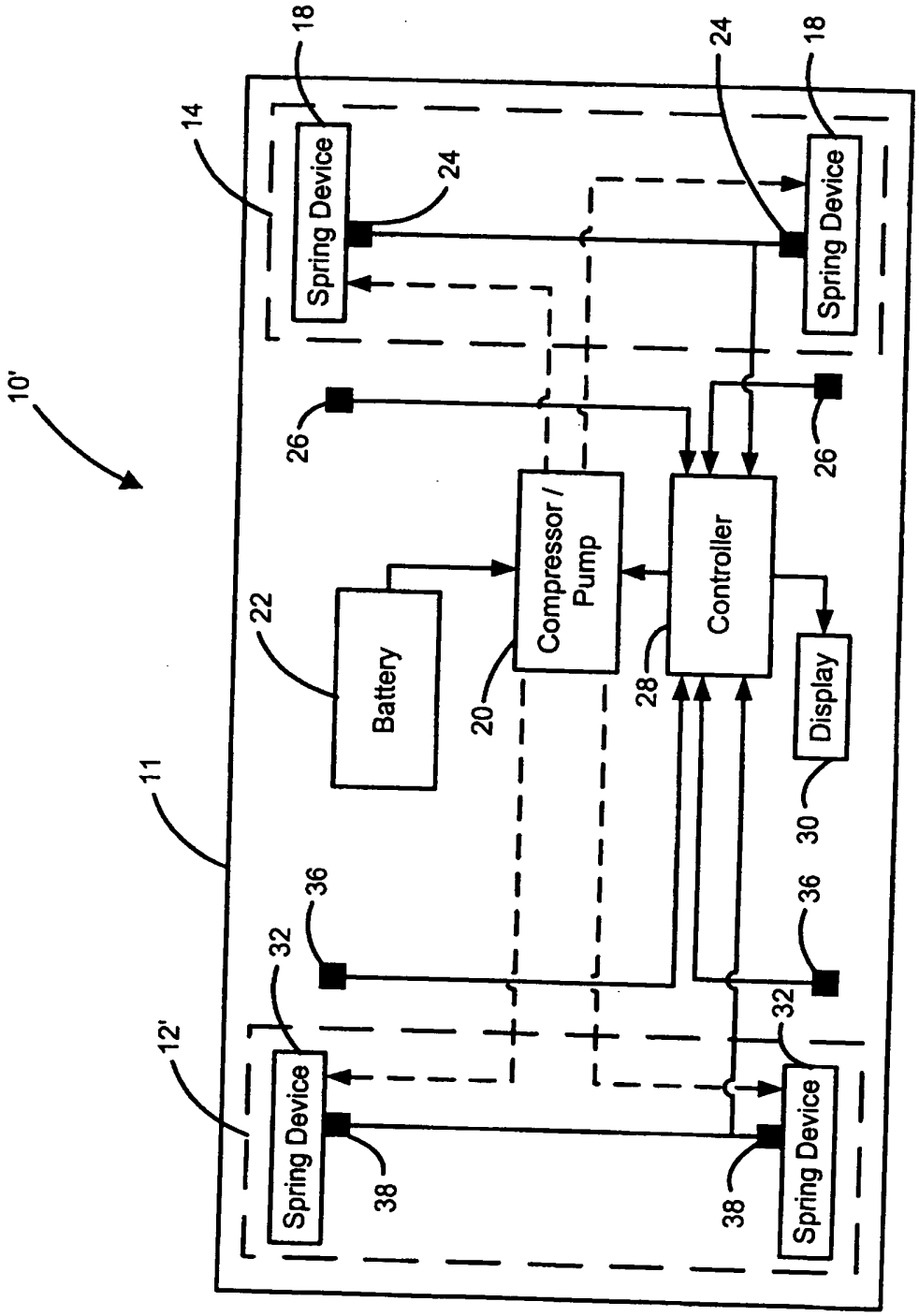
10'
11
12'
14
18
18
20
22
24
24
26
26
28
30
32
32
36
36
38
38
Spring Device
Spring Device
Spring Device
Spring Device
Compressor / Pump
Controller
Battery
Display

Figure 2

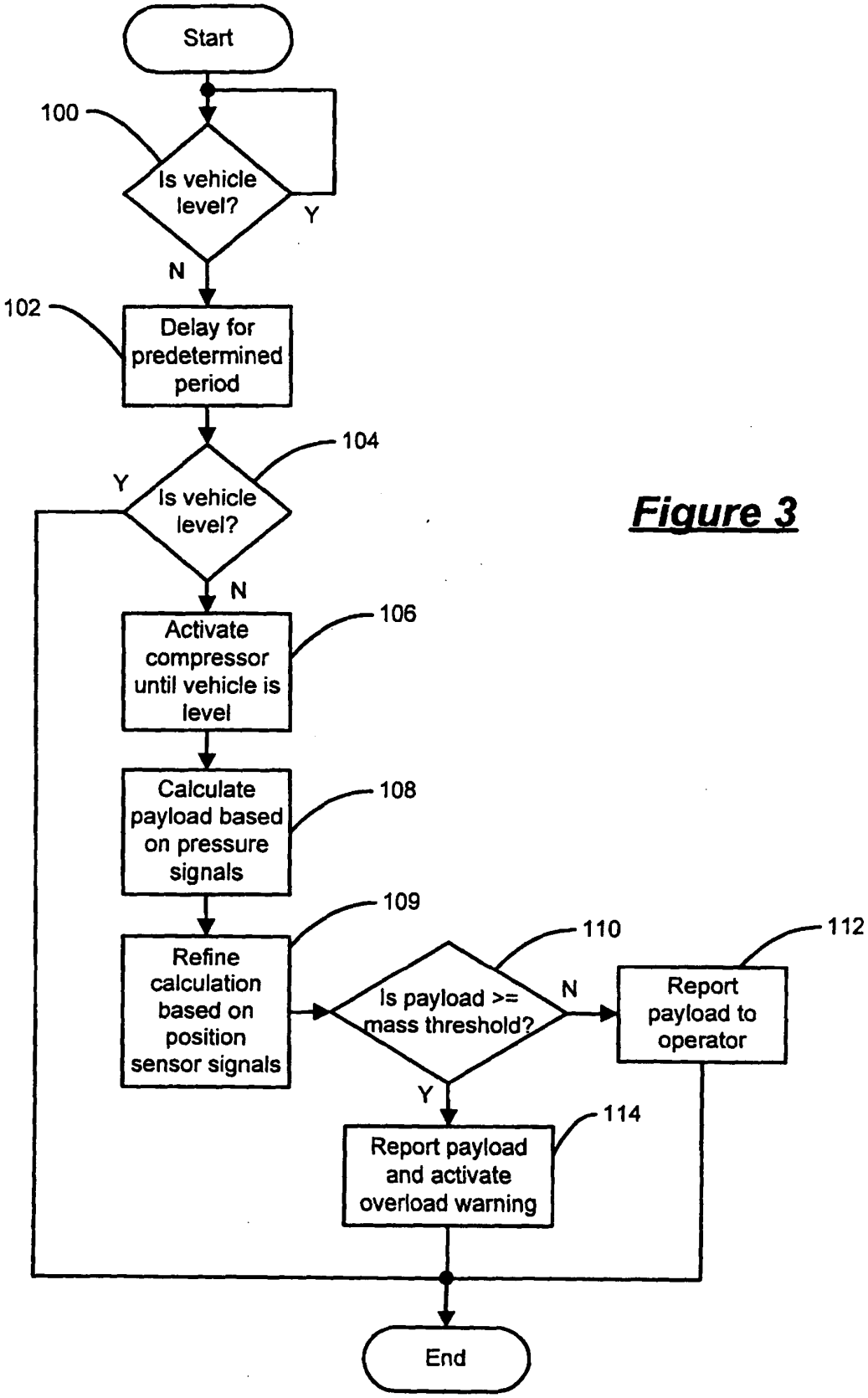
Start
100
Is vehicle level?
Y
N
102
Delay for predetermined period
104
Y
Is vehicle level?
N
106
Activate compressor until vehicle is level
108
Calculate payload based on pressure signals
109
Refine calculation based on position sensor signals
110
Is payload >= mass threshold?
N
112
Report payload to operator
Y
114
Report payload and activate overload warning
End

Figure 3